



Instructions and Declaration of Conformity

Installation

PROKOSCH ball valves are directly connected to the system via a flanged or threaded connection. The valve must be mounted free of tension and vibration.

With jam-free ball valves (type FA), it is important to note the medium's direction of flow. The ball valve must always flow from the sealed side to the unsealed side. The unsealed side is indicated by a radial groove on the outlet flange.

Safety



These instructions do not supersede local safety regulations or the relevant hazardous regulations, which must take precedence.

Caution! Risk of injury! Disconnect the power supply to the drives before starting any repair or maintenance work on automated armatures. Repairs must be properly performed with original replacement parts only. Observe all operating limits regarding pressure, temperature, materials used and medium.

If our ball valves come with accessories from outside manufacturers, the maintenance and operating instructions of such manufacturers must also be observed.

Operating limits per Directive 97/23/EC (Pressure Equipment Directive)

PROKOSCH ball valves are used to block off bulk materials, non-hazardous gases and hazardous liquids as per Art. 9, 97/23/EC within the pressure range indicated on the rating plate. Additional national or international regulations must be expressly observed during use. The operating limits regarding resistance to the materials used must be observed and can be requested from the factory in case of doubt.

Ball valves are expressly NOT for use to regulate the flow of bulk materials. Such operation causes impermissibly high wear and nullifies the warranty.

Temperature resistance and seal material specifications

PTFE + Buna-N:	Tmax = 80°C
PTFE + FPM:	Tmax = 180°C
Special steel + FPM:	Tmax = 230°C

PROVEN & RELIABLE
FOR USE IN:

INDUSTRIAL

FUEL HANDLING

BULK HANDLING

TANK TRUCK CONSTR.

SILO TRUCK CONSTR.

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Maintenance

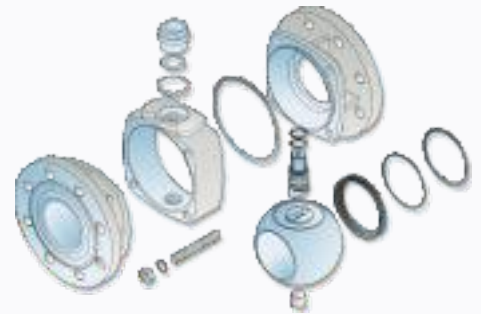
All PROKOSCH ball valves are designed for maintenance-free operation. Thus no special maintenance is required.

Storage

Always store PROKOSCH ball valves in the completely open or completely closed position to prevent permanent deformation of the sealing elements. For long-term storage, it is advisable to apply corrosion protection treatment specific to the material.

Repair

PROKOSCH ball valves are easy to disassemble without any special tools. To replace the seals, remove the flanges mounted with several stud bolts from the body. The seals to be replaced can then be lifted out with a scribe or a screwdriver.



Depending on the design and nominal width, the armatures may differ in certain details from the illustration. For exact specifications, see the replacement parts list of the specific type. Clean the seal seats thoroughly before reassembly.

After the flange and spindle bearing assembly (gray cast iron or brass bush) have been disassembled, the ball can be removed from the body. For PROKOSCH ball valves DN 150 and above, remove the bearing cover from the side opposite the spindle. Remove the bearing pin and spindle. Fill the bearing area with commercial grease before replacing the ball. To reassemble, follow the above steps in reverse order.

Automation

When connecting electrical or pneumatic actuators with our adapter sets, no transverse force must act on the actuator or ball valve, as this can lead to impermissibly high wear on the spindle seal of the ball valve or the shaft seal of the actuator. Check that the armature opens and closes completely. Adjust using the end stops or end switches of the actuator. The procedure for this depends on the manufacturer and can be found in the operating instructions of the actuator.

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Declaration of Conformity according to Annex VII of Directive 97/23/EC

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We,

PROKOSCH - PUMPEN und ARMATUREN GmbH
In der Breitwiese 9
D-76684 Östringen

declare, that the product

Ball valve PN 16/DN 65, DN 80, DN 100, DN 125, DN 150
Type 400, 410, 440, 450, 460

to which this declaration is referring to, is in compliance with the directive 97/23/EC and was subjected to the following conformity assessment procedure:

Internal production control

Odenheim, 12.12.2001

M. Prokosch, managing director